QC-ABSTRACT

Name of Work:- Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	Sand		1	1	Sieve Analysis
					Sand, Aggregates
2	M15		2	2	Concrete Cube Compressive Strength

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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NABL TC-9500

Job No.: CQCE/BBMP/YNK.D/SS Board/QC/Cement/2023-24 Date: 18.08.2023

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer, Yelahanka Setallite Town Sub Division**, BBMP, Bangalore.

Agency : **Sri. Pradeepa K A, Bangalore**

Name of Work : Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.

Sample ID: : Cement (Birla Super 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : December - 2022

Date of Testing : 14.08.2023-18.08.2023

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	121 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	325 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1.5 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00%	-

Note:

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Job No.: CQCE/BBMP/YNK.D/SS Board/QC/Sand/2023-24 Date : 18.08.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client	: Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.
Agency	: Sri. Pradeepa K A, Bangalore
Name of Work	: Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.
Date of Testing	: 14.08.2023-18.08.2023
IS Code	: IS 383:2016
	: IS 2386 (Part 1):1963(RA 2011)
Material	: Sand Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	68	6.80	6.80	93.2	90-100
2.36	105	10.50	17.30	82.7	75-100
1.18	156	15.60	32.90	67.1	55-90
600 Micron	233	23.30	56.20	43.8	35-59
300 Micron	181	18.10	74.30	25.7	8-30
150 Micron	192	19.20	93.50	6.5	0-10

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Job No.: CQCE/BBMP/YNK.D/SS Board/QC/Sand-1/2023-24 Date : 18.08.2023

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri. Pradeepa K A, Bangalore**

Name of Work : Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.

Date of Testing : 14.08.2023-18.08.2023

Material : Sand(Plastering)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	18	1.80	1.80	98.2	95-100
2.36	19.5	1.95	3.75	96.3	95-100
1.18	36	3.60	7.35	92.7	90-100
600 Micron	66	6.60	13.95	86.1	80-100
300 Micron	254	25.40	39.35	60.7	20-65
150 Micron	568	56.80	96.15	3.9	0-15

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Job No.: CQCE/BBMP/YNK.D/SS Board/QC/20mm/2023-24 Date : 18.08.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri. Pradeepa K A, Bangalore**

Name of Work : Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.

Date of Testing : 14.08.2023-18.08.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	111	2.2	2.2	97.8	95-100
10	2355	47.1	49.3	50.7	25-55
4.75	2113	42.3	91.6	8.4	0-10

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Job No.: CQCE/BBMP/YNK.D/SS Board/QC/Sand-1/2023-24 Date: 24-08-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.
Agency	: Sri. Pradeepa K A, Bangalore
Name of the work	: Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division
Sample ID	: Cement Concrete for Poles
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17-Aug-23	24-Aug-23	7.110	280.0	12.44
2	17-Aug-23	24-Aug-23	7.140	315.0	14.00
3	17-Aug-23	24-Aug-23	7.250	322.0	14.31

Note:

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Job No.: CQCE/BBMP/YNK.D/SS Board/QC/Sand-1/2023-24 Date: 04-09-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri. Pradeepa K A, Bangalore**

Name of the work : Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division

Sample ID : Cement Concrete for Poles

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on 14th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17-Aug-23	4-Sep-23	7.150	325.0	14.44
2	17-Aug-23	4-Sep-23	7.240	315.0	14.00
3	17-Aug-23	4-Sep-23	7.260	322.0	14.31

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Job No.: CQCE/BBMP/YNK D/SS Board/QC/Sand-1/2023-24 Date: 16-09-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.

Agency : Sri. Pradeepa K A, Bangalore

Name of the work : Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.

Sample ID : Cement Concrete for Poles

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17-Aug-23	16-Sep-23	7.140	359.0	15.96
2	17-Aug-23	16-Sep-23	7.320	365.0	16.22
3	17-Aug-23	16-Sep-23	7.220	348.0	15.47

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Job No.: CQCE/BBMP/YNK.D/SS Board/QC/Sand-1/2023-24 Date: 26-08-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri. Pradeepa K A, Bangalore**

Name of the work : Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.

Sample ID : Cement Concrete for Poles

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19-Aug-23	26-Aug-23	7.230	305.0	13.56
2	19-Aug-23	26-Aug-23	7.150	288.0	12.80
3	19-Aug-23	26-Aug-23	7.050	296.0	13.16

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Job No.: CQCE/BBMP/YNK.D/SS Board/QC/Sand-1/2023-24 Date: 08-09-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Setallite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri. Pradeepa K A, Bangalore**

Name of the work : Providing and fixing SS Name Boards in Attur Ward No.04 of Yelahanka Satellite Town Sub Division.

Sample ID : Cement Concrete for Poles

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on 14th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19-Aug-23	8-Sep-23	7.330	311.0	13.82
2	19-Aug-23	8-Sep-23	7.410	309.0	13.73
3	19-Aug-23	8-Sep-23	7.250	299.0	13.29

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